Cappuccino

Intel® Apollo Lake Pentium N4200E

MiTAC
MITAC COMPUTING TECHNOLOGY CORP.

◼ Feature

- **11.6" Windows® Tablet w/ 2K Resolution**
- **Extra Light (<900g w/ entry SKU)**
- **IP65**
- **MIL-STD-810G on 1.2m Drop Proof, S&V, High/Low Temperature**
- **Hot-Swappable Battery**
- **4.2 hrs Battery Life w/ 19.53Whr Battery**
- **Honeywell Software Decode Scanner 1D/2D (Optional)**
- **WiFi ac/a/b/g/n, GPS & LTE(Support by Request)**
- **NFC Module**
- **HW TPM2.0 FIPS 140-2 Level 2 Compliance**
- **Accessory for Cable Cover w/ Docking Station**
- **Adjustable View-angle Docking Station**
- **Accessory for I/O Connectivity**
- **Accessory for Vehicle Mounting VESA 75mm**

MIL-STD-810G Drop Proof | Battery Hot-Swappable | IP65 | 4G LTE | WiFi

TPM2.0 | NFC module | 1D/2D BCR | Light Weight

◼ Accessory Feature

Giga LAN | Docking Station | Powered 24V USB | Powered 12V/5V Serial Port | USB 3.0 Type-A | HDMI
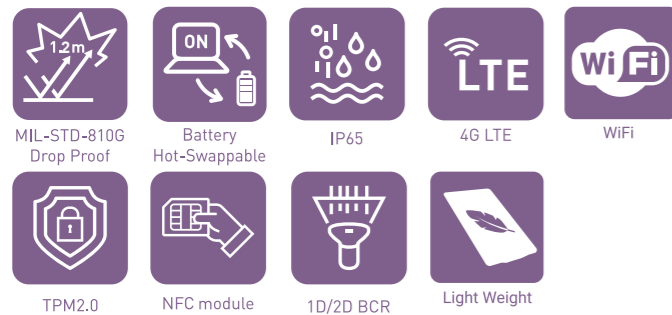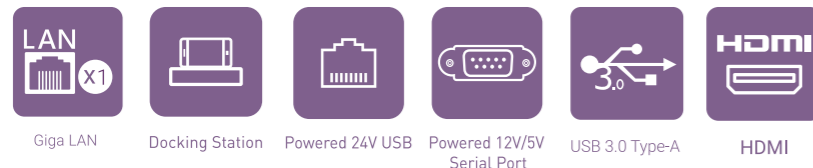
Accessory Model
Cappuccino Docking Station(with additional Cable Cover)
Cappuccino Extension Cover (w/ VESA 75mm mounting)

◼ Ordering Information

Model Number	OS	CPU	LCD Brightness	RAM	Storage	WiFi/BT	GPS	TPM	Main Battery	Operating Temperature	Power Supply	NFC
Tablet Standard Config	Win10 IoT 2019	Intel N4200E	300nits	4GB	64GB SSD	ac/a/b/g/n BT4.2	Ublox IC	HW TPM 2.0	19.53Whr	-10°C ~ 50°C	19V/65W Adapter +Power Cord	NFC Reader (NXP NPC300)

Model Number	OS	LCD Brightness	RAM	Storage	LTE	MainBattery (Spare Hardpack Battery)	Barcode Scanner		Model Number	Docking Station	Extension Cover
Tablet Optional Config	Linux CentOS 7	500nits	8GB	256GB SSD	CAT6 (Sierra Module)	19.53Whr	* Software Decode (Honeywell SwiftDecode)		Accessory	Docking Station with additional Cable Cover	Extension Cover with VESA 75mm Mounting

Note: Optional Config Support by Request
* SDK Solution only. (SDK + Integration Guide). Further integration with customer's proprietary application would be mandatory.

Note: Including additional 24V/180W

Cappuccino **Fully-Rugged Tablet**

DISPLAY	
Size	11.6" TFT-LCD
Max. Resolution	1920 x 1080
Luminance (cd/m2)	300nits (Option: 500nits)
Glass Type	Gorilla® Glass 3 and Direct Bonding
TOUCH SCREEN	
Type	P-CAP
Touch	10 point capacitive multi-touchscreen supporting glove mode and rain mode
TABLET	
Operating System	Windows® 10 IoT Enterprise 2019 LTSB (Option: Linux CentOS7)
Processor	Intel® Apollo Lake Pentium N4200E (Quad-Cores) 1.1GHz with turbo frequency to 2.5GHz, 2MB L2 Cache (4 Threads)
Chipset	Intel® SoC Integrated
System RAM	LPDDR4 3733MHz 4GB (Option: 8GB)
System ROM	M.2 SSD 64GB (Option: 256GB)
Wireless	IEEE 802.11 ac/a/b/g/n (2.4GHz/5GHz)
Bluetooth	BT V4.2
LTE/GPS	GPS (UBX-G8020-KT) Option: LTE CAT6 w/ M.2 Slot Comp. w/ regular M.2 card (Support by Request)
NFC	NFC Reader (NXP NPC300)
Barcode Scanner	Option: SW Decode: Honeywell SwiftDecoder (1D/2D Support)*SDK Solution only. (SDK + Integration Guide), Further integration with customer's proprietary application would be mandatory.
Rear Camera	8MP Auto-Focus CMOS built-in module with Flash LED
Switch Key	1 x Dump Switch ; 1 x Reset Switch
Sensor	Ambient Light Sensor, Gyro Sensor & G-sensor
Speaker	2 x 0.8W
Microphone	Yes
LED Indicator	Charging LED, Power LED
Main Battery	4.2 hr, 19.53Whr Removable lithium battery with latch lock (2570mAh, 7.6V)
Hot-Swappable Battery	Yes, 2.66Whr back-up battery (700mAh*1, 3.8V, 1S1P)
I/O Port	1 x USB 3.0 Type-A
	1 x Nano-SIM w/ LTE only (Support by Request)
	1 x Audio Jack
	1 x DC Jack
	1 x POGO Connector
Keypad	1 x Power Key
	2 x Volume Key
	3 x Capacitive Function Key (on front side)
Fully Rugged Feature	IP65
	MIL-STD-810G:
	- 1.2M Drop
	- Shock & Vibration
	- Sand & Dust-Blowing Sand
	- High/Low Temperature – Operation
	- High/Low temperature – Storage
	- Freeze/thaw –Rapid temperature change
	- Thermal Shock
Dimension	299 x 199 x 17.7 mm (w/o bumpers & hand-strap) / 307.9 x 207.9 x 29.3 mm (w/ bumpers & hand-strap)
Weight	895g (Entry WiFi SKU)
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Storage Humidity	10% ~ 90% @40°C non-condensing
Security	HW TPM 2.0 FIPS 140-2 Level 2 Compliance
Certification	CE/FCC/VCCI
Hand-strap	Yes
Shoulder-strap	Yes
Power Adapter	AC to DC, DC 19V 65W Adaptor

◼ Peripheral

Docking Station

Key Feature	Desktop Cradle with Power Charging	
	Battery Charging Bay and I/O Expansion	
I/O	1 x Powered 24V USB	
	1 x USB 3.0 Type-A	
	2 x USB 2.0 Type-A	
	1 x HDMI 1.3	
	1 x Powered 5V/12V Serial Port	
	1 x Giga LAN	
	1 x Battery Charging Slot	
	1 x DC Jack	
Power Adapter	AC to DC, DC 24V 180W Adapter	

Extension Cover

Key Feature	Vehicle Mounting VESA mount support 75 mm x 75mm
	Power Charging and I/O Expansion
	Clip-Fix Design for Pick-up Tablet by Tool-Less
I/O	1 x Powered 24V USB
	1 x USB 3.0 Type-A
	1 x HDMI 1.3
	1 x Powered 5V/12V Serial Port
	1 x Giga LAN
	(Optional) 3 x SMA (2 x LTE and 1 x GPS) for RF Antenna Path
	(Optional) 1 x Nano-SIM (support by request)
	1 x DC Jack
Power Adapter	AC to DC, DC 24V 180W Adapter